

MICHIGAN  
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION  
FOR  
**RESEALING BRIDGE CONSTRUCTION JOINTS  
WITH LOW-MODULUS HOT-POURED RUBBER  
( Capital Scheduled Maintenance )**

C&T:ARB

1 of 2

C&T:APPR:GJB:LR:12-18-01

**a. Description.** This work consists of removing existing joint sealants, cleaning the joint, and sealing the joint with a low-modulus hot-poured joint sealant.

The location of the joints to be resealed shall be as shown in the proposal or as directed by the Engineer.

All work and materials shall be according to the Standard Specifications with exceptions and additions specified herein.

**b. Materials.** The hot-poured sealant and backer rod shall be according to Subsections 914.04.A and B of the Standard Specifications.

**c. Seal Removal.** All existing joint seals shall be removed from the joint grooves. If removing neoprene, the portion of the seal in the vertical joint groove at the barrier or sidewalk need not be removed. For joint grooves that have closed beyond their design limits, it may be necessary to run a single saw cut through the length and depth of the joint seal to relieve the pressure and facilitate removal. Hot-poured sealant and silicone shall be removed by plowing or sawing.

**d. Joint Preparation.** Immediately prior to sealing, the joint shall be cleaned to remove all dust and contamination from the joint faces and reservoir. The surface of the concrete shall be completely dry at the time of sealing.

Cleaning shall consist of dry abrasive blast cleaning of each joint face, followed by a final cleaning with compressed air free of oil and water and having a minimum pressure of 90 psi. After the final cleaning, the backer rod shall be inserted into the transverse joint groove to the depth shown on the Detail for Resealing Bridge Construction Joints with Low-Modulus Hot-Poured Rubber.

**e. Joint Sealing.** The joints shall be sealed with the hot-poured sealant as specified in Subsection 602.03.S.4 of the Standard Specifications. The top of the sealant (after cooling) shall be flush to 1/8 inch below the surface of the bridge deck.

**f. Measurement and Payment.**

**Contract Item (Pay Item)**

**Pay Unit**

Resealing Bridge Construction Joints . . . . . Feet

**Resealing Bridge Construction Joints with Low-Modulus Hot-Poured Rubber** includes

all labor, equipment, and materials required to remove all existing sealants, clean the joint, and reseal the joints. The **Hot-Poured Rubber** used to reseal the joints shall be included in the above contract unit price.

Detail For Resealing Bridge Construction Joints With  
Low-Modulus Hot-Poured Rubber



